

3rd and Part Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. E 585738

Serial No.

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work Recorded on 13/01/2023

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work or - total work at Nagari. munuhwara Surrounding area - 1.1m under Amandu Nagarotum 420m Estimate cost (RS) :- 2135.00 Lacs work order number :- BBMP/EE/YNK-D/EPMT-06/AG/31/2022-23 JOB code :- 003-23-000004 Name of Contractor :- Sri. K. Venkataswamy	Improvement to Road drain and other developme akshaya Tirumala Nagar. After layout. Santhosh layout. Sri Sai layout B sector and in work no 03 & 04 of Yalahanka Divi (Package no-02)					

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
①	Removing and Re-setting C.M (1:3) upto 125% Qty 2004.04 @					RS 259.93 =	520916.00
②	Above 125% Qty 1139.77 @					RS 259.93 =	296265.00
③	fast work excavation by Manual Means for drain canal work with draft approach channels by foundation of bridge and such similar work in Qty 2893.92 @					RS 336.25 =	973093.00

Serial No.
Name of work
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Date 1	Full description, etc. 2
③	Providing levelling concrete covered Qty
④	KSRRB M22 Including Position Qty

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No. E 585739

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Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
③	Providing and laying in position plain concrete for levelling course for all crushed gravel coarse aggregate					Concrete for granite / trap / boulders	
	Qty 289.22 @		Rs 6362.29 =			1840120.00	
④	R.S.R.B. M2200-6 providing including straightening and positioning					T.M.T. Steel Reinforcement for R.C.C. work cutting bending hooking placing in welding.	
	Qty 19.13 @		Rs 114292.20 =			2189856.00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
⑤	Providing and laying in Position etc for all Sub structure of building Irrigation work of bridge.					Reinforced Cement concrete	
	Qty 310.54 @ RS 7265.75 = 2256298.00						
⑥	Providing and fixing precast Reinforced Cement concrete covering slab of 10cm thick made of M20 with OPC						
	Qty 1444.25 @ RS 2083.49 = 3009069.00						
⑦	Providing and fixing precast cover slab of 23cm thick for drain in Cement concrete M20 using graded jelly 20mm and down side						
	Qty 55.44 @ RS 5064.93 = 280800.00						

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Date 1	Full
⑧	providing and laying in Position etc for all Sub structure of building Irrigation work of bridge.
⑨	providing and laying in Position etc for all Sub structure of building Irrigation work of bridge.

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Serial No.

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date 1	Full description, etc., of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6	
⑧	providing and laying in position plain cement concrete for leveling course for all works in foundation the grade/trap / base courses graded concrete aggregate and fine aggregate Qty 8.20 @ RS 654.75 = 53728.00					
⑨	providing and fixing pre cast solid cement concrete kerb stones made out of M20 with TOP and bottom width 114 and 165 mm Qty 592.00 @ RS 509.61 = 301809.00					

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(11)	Earth work in surface Excavation by Mechanical lowering & levelling the ground for all works other than foundation in all kinds of soil & upto depth not	Qty 7409.71	@	Rs 71.90	=	532732.00	
(12)	Construction of granular sub-base of required grading as per design Mixing in a Mechanical Mix Plant at site	Qty 2924.85	@	Rs 2596.02	=	7592954.00	
(13)	Providing laying Spreading and Compacting graded stone mix Macadam Specification including Pro Mixing	Qty 4269.76	@	Rs 2648.00	=	11308327.00	

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Date 1	Full description
(14)	Providing gate for
(15)	Providing 2 Mullion
(16)	Providing with

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Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
(14)	providing and applying primer coat with 331 grade Stone aggregate to wet Mix Macadam Specification including premixing the material with water at one mechanical	Qty 18518.26 @	RL	48.67	=	901254.00	
(15)	providing and applying tack coat with 251 Bituminous Emulsion using emulsion pressure distribution at the Rate	Qty 23238.29 @	RL	13.27	=	44179.00	
(16)	providing and laying 40/60 TPH Dense graded Bituminous Macadam with capacity	Qty 1385.20 @	RL	10938.22	=	15129756.00	

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(17)	providing and laying TPH capacity not mix -gate of specified grading Qty 1329.53 @ PS 1275					Concrete plant using premises with 4.44 =	with 40/60 crushed aggr bituminous Binder 16957432.00
(18)	providing and laying of hot compound 2.5 mm thick including blade @ 250 g/m ² area Qty 1278.88 @ PS 528					applied thermoplastic Pyllectonizing glue 72 =	thermoplastic 673521.00

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Serial No.

Name of work

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To

Date of commencement of work

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Dismantling of cement Mass using pneumatic exceeding 0.02 m ³ in Qty 60.25 @		Concrete Pavement by tool breaking to piece not volume and stock piling				
	providing and laying for levelling concrete		pl 466.77 = 28122.00				
(20)			in position plain cement concrete				
	Qty 26.15 @		for all work in foundation				
			pl 5503.95 = 148980.00				

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(21)	providing and constructing un-reinforced plain cement concrete pavement thickness as per design over a prepared sub base with 4% grade cement or any other type as per spec.	Qty 36.15	@	Rs 7562.41	=	273370.00	
(22)	providing and laying heavy duty rubble Stone bann and interlock pavers using cement and coarse sand for Manufacture of blocks of approved size shape & color	Qty 904.99	@	Rs 122	=	1088100.00	

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Date 1	Full des
(23)	cost out p
(25)	Earth for a Techni up

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Name of Contractor of nature of Agency

Date of commencement of work

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(23)	Cost of Haulage excluding loading and unloading taking output 10 t load and lead 10 km = 100 t km Qty 13315.18 @ Rs 106.17 = 1413878.00						
(5)	Earth work excavation for all work & depth upto 125% Technical Specification including setting out Shoring Qty 61.70 @ Rs 7647.02 = 471858.00						
	Above 125% Qty 19.67 @ Rs 7647.02 = 150520.00						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(26)	Providing and laying in position Reinforced cement concrete for all Super Structure of building Road works Irrigation works & Super Structure works of bridges	Qty 208	@	RS 78	333	= 16369.00	
(29)	Providing Size Stone Masonry with hard Stone in foundation & Plinth with Cement Mortar F.F. - 500 D or more Steel Reinforcement	Qty 5360	@	RS 117	25	= 628452.00	

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Date 1	Full description
(20)	Providing Concrete Masonry
(21)	Providing Concrete up to

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Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
(20)	providing and constructing good bearing wall with solid. concrete blocks of size 400x200x200mm having black durability More than 1800 kg/m ³ and minimum compressive Qty 120.28 @ Rs 1320.53 = 159711.00						
(21)	providing and constructing good bearing wall with solid. concrete blocks of size 400x100x200mm having black upto 125% Qty 6.62 @ Rs 1046.37 = 6930.00						
	Above 125% Qty 97.86 @ Rs 1046.37 = 102396.00						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(32)	Providing and laying water proofing Roof with PU based Single component elastomeric pure Polyurethane based coating on new Terrace upto 125% Qty 3548 @ RS 824.04 = 292382.00						
	Above 125% Qty 35.29 @ RS 824.04 = 29079.00						
(33)	Providing frame wood frame of door window cladding windows ventilators and other frame wrought iron upto 125% Qty 6.08 @ RS 99183.69 = 607401.00						
	Above 125% Qty 2.57 @ RS 99183.69 = 256459.00						

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Date of commencement of work.....

Date 1	Full description, etc. of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6	
(34)	Fixing of door frame in a existing opening including embedding frame in floor and wall after cutting upto 125% Qty 8.75 @ RS 1642.56 = 14323.00 Above 125% Qty 1642.56 @ RS 10266.00 = 6.25					

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(37)	providing and fixing frame of 40x40x6 mm angle			10mm thick M.S		Sheet door with iron and 3mm M.S gull.	
	Qty 378.00 @		PL	144.90 =		54772.00	
(39)	providing 15 mm single or half brick work 125%			Cement Plaster on the rough side of wall of Mix 1:4 including sand			
	Qty 964.63 @		PL	279.84 =		269944.00	
	Above 125% Qty 22.63 @		PL	279.84 =		6613.00	

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Date 1	Full description 2
(40)	providing Masonry
(54)	providing pipe

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Date of commencement of work

Date 1	Full description, etc. of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6	
(40)	providing 20mm cement Masonry including pointing Qty 274.48 @	Platter of MIX : 1:4 to brick / Stone corner wherever required Rs 339.57 =	93206.00			
(54)	providing and fixing chlorinated Polyvinyl Chloride (CPVC) pipe having thermal stability for hot & cold water Qty	45.00 @	Rs 412.58 =	18366.00		

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(55)	providing and fixing chlorinated Poly vinyl Chloride Pipe having Thermal Stability for hot & cold water supply Qty 60.00 @ Rs 526.50 = 31591.00						
(56)	providing and fixing chlorinated Polyvinyl Chloride Pipe having Thermal Stability for hot & cold water Supply including all c/w Plain & brass threaded Qty 30.00 @ Rs 614.99 = 18450.00						

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Date 1	Full description
(62)	Con crete PPPE 1 Swi table
(63)	Provi d Section up to

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Date of commencement of work

Date 1	Full description, etc. of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
62	Concealed conduit PPR 19/20mm dia Suitable size bend Qty 100.00	System 2mm Metal / PVC @	Supplying thick conforming to Metal / PVC Junction RS 61.34	Heavy gauge conforming to Junction boxes = 6134.00		PVC conduit 132509 with adhesive	
63	Providing and fixing sections of frames up to 125%. Qty	work 577.50 @	steel work including cutting RS 147.11	welded = 84957.00		in built up holding fixing	
	Above 125%. Qty	332.75 @	RS 147.11	= 48952.00			

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(64)	concealed conduit system Conduit Pipe Qty 100.00 @ Rs 70.39 = 7039.00	25mm	dia	2	mm	heavy gauge pvc thick conforming	
(65)	concealed conduit system Conduit pipe 1 1/2" dia boxes adhesive paste etc. by Qty 100.00 @ Rs 75.42 = 7542.00		dia	2	mm	heavy gauge pvc metal / pvc groove cutting	

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Date 1	Full description
(66)	concealed pipe paste
(67)	concealed pipe Asu

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Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
66	Concealed conduit Pipe 25mm dia Pole etc. -	System 2.5m	Supplying metal	heavy 1 pvc	gauge junction	PVC conduit box & adhesive	
	Qty 100.00	@	Rs 80.45	= 8045.00			
67	Concealed conduit Pipe 32mm dia As upto 125%	System 2.5m	Supplying Metal	heavy 1 pvc	gauge junction	PVC conduit box & adhesive	
	Qty 1250	@	Rs 105.58	= 1320.00			
	Above 125%	Qty 87.50	@	Rs 105.58	= 9239.00		

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(68)	wiring for lighting / power circuit insulated 1100V grade Single core cable in open	Qty 200.00 @	RS	18.10	=	3620.00	FRLS PVC conductor system
(69)	1.5 Sqm	Qty 100.00 @	RS	26.15	=	2615.00	
(70)	2.5 Sqm	Qty 170.00 @	RS	40.22	=	6838.00	
(71)	4.0 Sqm	Qty 90.00 @	RS	59.33	=	5340.00	
(72)	10.0 Sqm	Qty 40.00 @	RS	157.87	=	6315.00	

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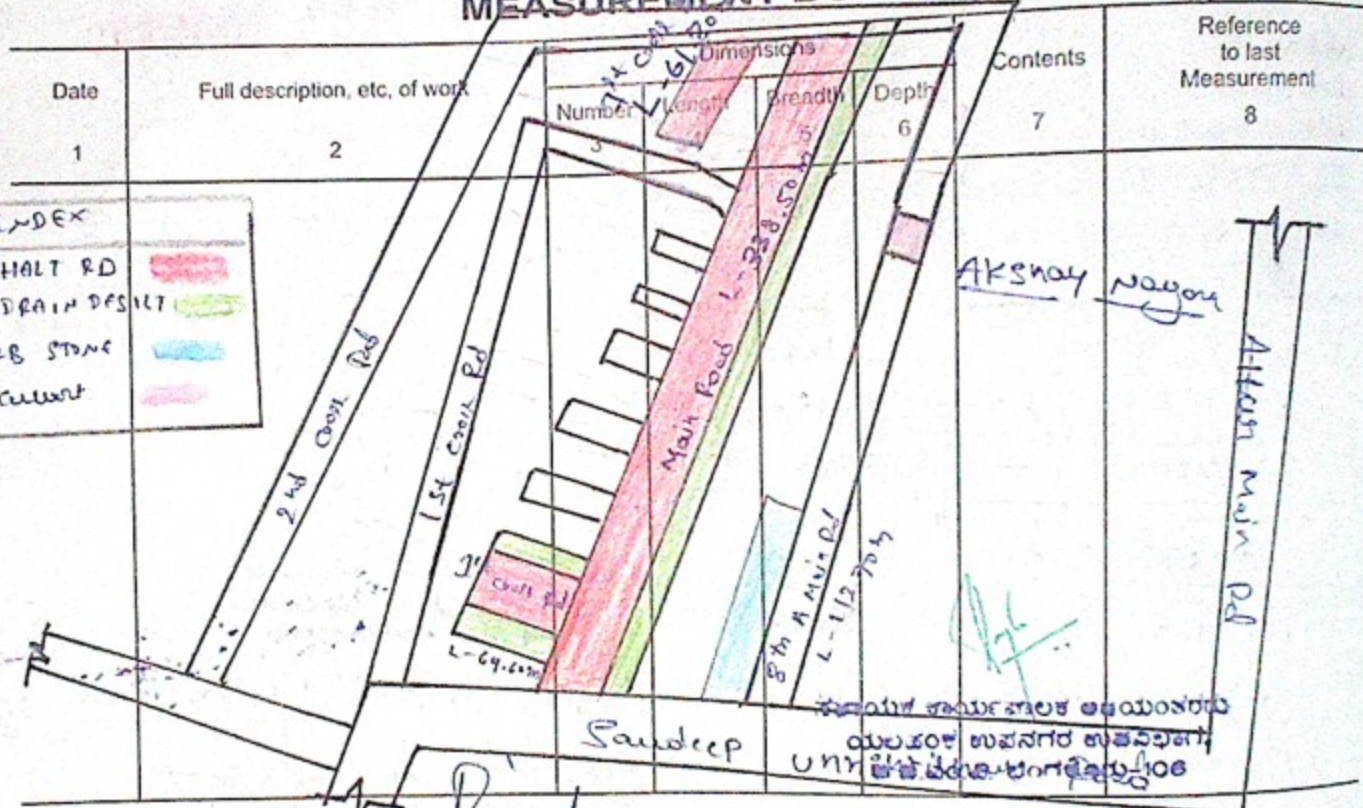
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6	
	Total =	71697028.00				
	EST 18% =	12905465.04				
	GRAND TOTAL =	84602493.04				
	<u>CERTIFICATE:</u> ① the above work has been completed satisfactorily ② the debris has been removed and disposed from the work spot ③ No. departmental issues are made to the contractor					

13/04/2023

13/04/2023

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5		
						

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ASPHALT RD	
PCC DRAIN DESILT	
KERB STONE	
PCC CURB	

Serial No.
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Name of Contractor ...
Date of commencement ...

Date	Full description, etc., of work
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ASPHALT RD	
PCC DRAIN DESILT	

Serial No.

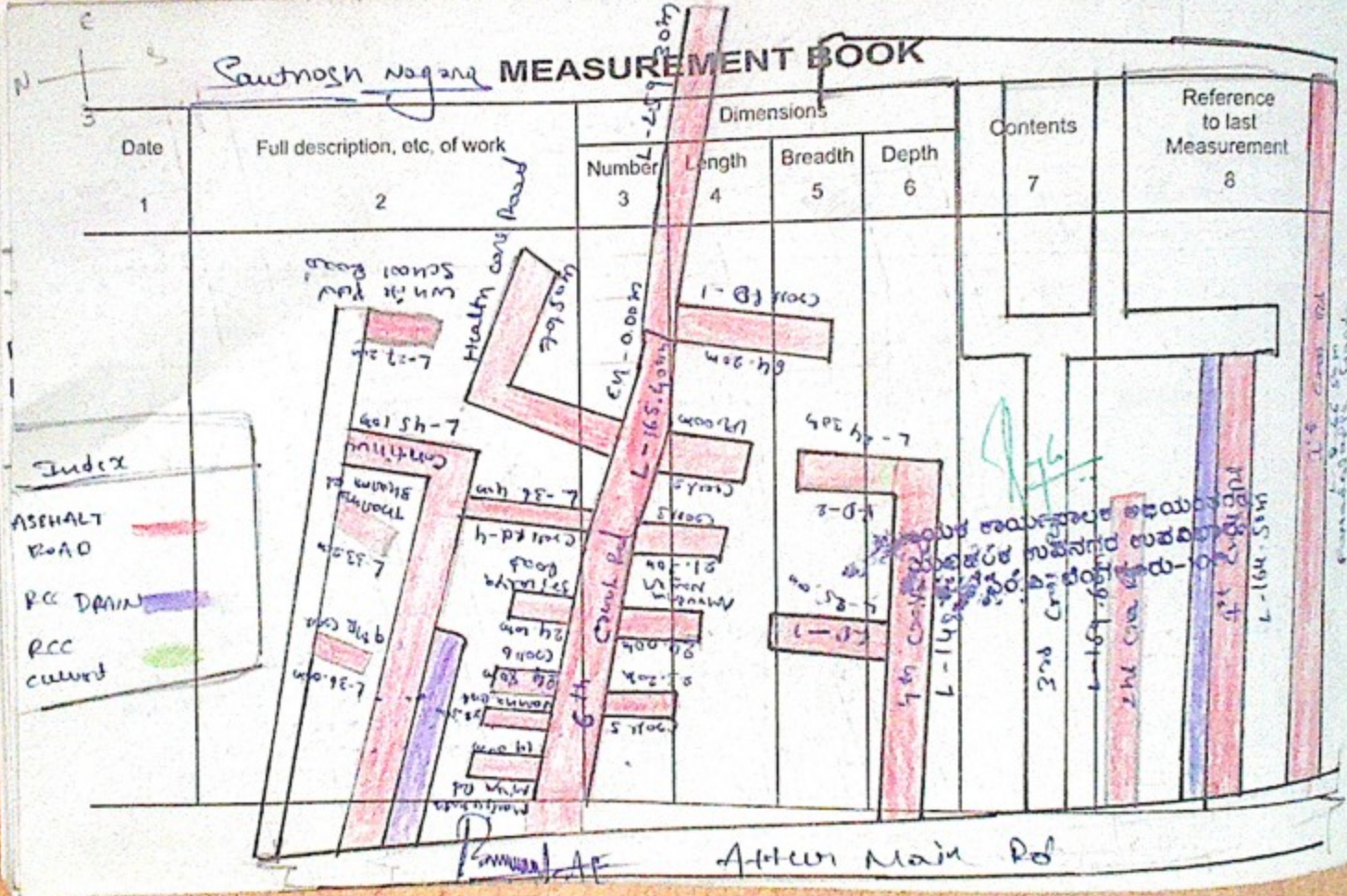
Name of work

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Measurement of work

Date	Full description, etc., of work	Dimensions			Contents	Reference to last Measurement	
		Number	Length	Breadth			
1	2	3	4	5	6	7	8
	</						



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Name of work

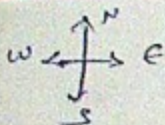
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Date	Full description
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ASPHALT ROAD



M. A. R. 57 (Rule 116)
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B - sector
No. E 585751

Serial No.

Name of work

Sawdust From Uthirakulam Road

Name of Contractor or nature of Agency

Date of commencement of work

Date	Full description, etc. of work	Main Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	INDEX ASPHALT ROAD						
	ಶಾಖಾ ಸಾರ್ವಜನಿಕ ಕಾರ್ಯಾಚರಣೆ ಯುನೈಟೆಡ್ ಉಪನಗರ ಉಪವಿಭಾಗ ೩೩.೨೦.೨೦, ಬೆಂಗಳೂರು-೧೦೬ ಶಾಖಾ ಸಾರ್ವಜನಿಕ ಕಾರ್ಯಾಚರಣೆ ಯುನೈಟೆಡ್ ಉಪನಗರ ಉಪವಿಭಾಗ ೩೩.೨೦.೨೦, ಬೆಂಗಳೂರು-೧೦೬						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	Job code - 003-23-000007 3rd & 4th - 6th		4	5	6	7	8
	BGA MCL 71697028 = m (4) GST 12905465 = m TOTAL 84602493 = m Less: I Tax 846025 = m SGST 716970 = m CGST 716970 = m BCWWC 846025 = m CBE 84602 = m ROYALTY 495500 = m FINE = FSD = OTHERS = TOTAL DEDUCTION 3706092 = m NET PAY 80896401 = m					SRNO-05/23-24 Date 21/4/2023 Audited & Admitted For Rs. 84602493 = m By Ch Rs. 80896401 = m (In Words) And by Adjustment For Rs. 3706092 = m Accountant Exe Engineer B.B.M.P. Bangalore	

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Date 1
 Full